

Using GitHub Professionally

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Outline

What is
Github?

Why should I
care?

How do I use
GitHub?

How do I
make a good
profile?

Work with it!

1 What is Github?

2 Why should I care?

3 How do I use GitHub?

4 How do I make a good profile?

5 Work with it!

What is Github?

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What is Git?

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How do I use GitHub?

How do I make a good profile?

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What is Git?

- Code repository

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What is Git?

- Code repository
- Version control system

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- Code repository
- Version control system
- Overall: a tool for development

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What's the Hub?

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What's the Hub?

- The largest Git server in the world

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- The largest Git server in the world
- Showcase of your skills and abilities

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- Showcase of your skills and abilities
- History of activity

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What's the Hub?

- The largest Git server in the world
- Showcase of your skills and abilities
- History of activity
- Collaboration

Why should I care?

What is
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**Why should I
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How do I use GitHub?

The Basics

What is
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Work with it!

On GitHub, your work is organized into repositories, or "repos".

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Many ways to work with repos:

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Many ways to work with repos:

- In-browser

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Many ways to work with repos:

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- GitHub Desktop

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When you start a new project, you start a new repo.

Many ways to work with repos:

- In-browser
- GitHub Desktop
- Command line

How do I use GitHub?

Branches

GitHub lets you create "branches" on your project

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Branches

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GitHub lets you create "branches" on your project
So far, we've been working on the "master" branch

Push to master?

Working on the master branch is generally strongly discouraged.
Think of pushing to the master branch as releasing a new
version, you don't want to do it until you're sure it's ready.

How do I use GitHub?

Branches

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Push to master?

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Branches start out identical to the master when created, and
you can do as much work on each branch as you want

How do I use GitHub?

Merging

What is
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Work with it!

When you're happy with the work you've done on a branch, you can merge that branch back into "master".

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When you're happy with the work you've done on a branch, you can merge that branch back into "master". This lets you work on multiple parts of the project at the same time, until you're sure that each part is working.

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This lets you work on multiple parts of the project at the same time, until you're sure that each part is working.

This can lead to an issue called a "merge conflict", which is too complicated to explain thoroughly.

How do I use GitHub?

Forking and pull requests

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GitHub was built by and for the open source community, so anyone can contribute to pretty much anything!

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If you want to contribute to a project, here's how you should do that:

- 1 Fork

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- 1 Fork
- 2 Branch
- 3 Work

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If you want to contribute to a project, here's how you should do that:

- 1 Fork
- 2 Branch
- 3 Work
- 4 Pull request

How do I make a good profile?

Contribution History

What is
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Work with it!

Your GitHub account tracks your contribution history

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Contribution History

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Your GitHub account tracks your contribution history
Having a long and consistent contribution history is extremely
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The absolute best thing you can do for your profile is to
consistently work on things!

How do I make a good profile?

Information

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What should you set?

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- Biography

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 - Short (160 characters)

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 - Short (160 characters)
 - Grab the reader's attention

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Work with it!

What should you set?

- Name
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- Biography
 - Short (160 characters)
 - Grab the reader's attention
 - Highlight your skills, education, or passions

How do I make a good profile?

Repositories

Your repositories all should have a README.md, and having nice READMEs indicates that you can keep good documentation.

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You can have up to 6 of your public repositories pinned on your profile.

How do I make a good profile?

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What should you pin?

- Projects emphasizing your skills

How do I make a good profile?

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What should you pin?

- Projects emphasizing your skills
- Projects you're proud of

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What should you pin?

- Projects emphasizing your skills
- Projects you're proud of
- Popular repositories

How do I make a good profile?

README.md

What is
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Work with it!

A secret feature of GitHub that gives you some more flexibility. You can use the same markdown as for your repositories, and it will show up on your profile page.

How do I make a good profile?

What not to include

Don't include more non-professional information than necessary

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This accomplishes two things:

- Keeps professional tools professional

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- Minimizes the influence of any unconscious bias your reader might have

Questions?

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Thanks!